

Test Report on Cement				
Project	Construction of Fencing to Swimming Pool at Allalasandra Lake premises in ward No. 04 Yelahanka New Town.			
Client	Bruhat Bangalore Mahanagar Palike			
Consultant	TEJUS CONSULTANTS			
Contractor	Sri. D K Nagaraja, Bangalore.			
Sample ID	Cement			
Date of Sample Tested	09/03/18			
Sample Supplied By	Agency			
Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	36 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	342 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	2mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

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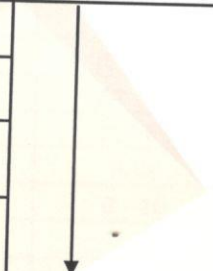


Asst. Executive Engineer
Project Divisor
Yelahanka Zone
Bangalore

TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of Fencing to Swimming Pool at Allalasandra Lake premises in ward No. 04 Yelahanka New Town.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. D K Nagaraja, Bangalore.

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (River Sand/ M sand)	Proposed Use	concrete		
Location/Source	At Site/Plant	Date of Sampling	09/03/2018		
Period of Soaking	24 hours	Date of Testing	09/03/2018		
Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	AVERAGE
A	Weight of saturated surface dry sample gm.	658	682	664	
B	Weight of oven - dry sample gm.	650	674	656	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1688	1703	1692	
E	Bulk specific gravity $\frac{B}{(C + A - D)}$	2.653	2.654	2.656	2.654
G	Absorption (%) $\frac{(A - B) * 100}{B}$	1.231	1.187	1.220	1.212

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Consultants	Tejus Consultants, Bangalore				
Contractor	Sri. D K Nagaraja, Bangalore.				
SIEVE ANALYSIS					
Total Weight:	3000	gms			
Type of Material	Fine aggregate (River Sand/ M)		Proposed Use	concrete	
Sample Location	At Site/Plant		Date of Sampling	09/03/2018	
			Date of Testing	09/03/2018	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	210	210	7.00	93.00	90 - 100
2.36 mm	315	525	17.50	82.50	75 - 100
1.18 mm	420	945	31.50	68.50	55 - 90
0.600 mm	452	1397	46.57	53.43	35 - 59
0.300 mm	782	2179	72.63	27.37	8-30
0.150 mm	644	2823	94.10	5.90	0 - 10
Pan	177	3000			-
Remarks :			Satisfactory / Not Satisfactory		

Consultant's Representative




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Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. D K Nagaraja, Bangalore				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	20 mm down size		Proposed Use	PCC	
Sample Location	Plant/At site		Date of Sampling	09/03/2018	
			Date of Testing	09/03/2018	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	278	278	2.78	97.22	95 - 100
10.00 mm	4782	5060	50.60	49.40	25 - 55
4.75 mm	4420	9480	94.80	5.20	0 - 10
Pan	520	10000			
Remarks :					
Satisfactory / Not Satisfactory					

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TEST REPORT		
Clients	Bruhat Bangalore Mahanagara Palike	
Project	Construction of Fencing to Swimming Pool at Allalasandra Lake premises in ward No. 04 Yelahanka New Town.	
Consultants	TEJUS CONSULTANTS	
Contractor	Sri. D K Nagaraja, Bangalore.	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	PCC	
Sample Location	At Site/Plant		Date of Sampling	09/03/2018	
			Date of Testing	09/03/2018	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	542	542	5.42	94.58	90-100
10.0	3252	3794	37.94	62.06	40-85
4.75	5682	9476	94.76	5.24	0-10
Pan	524	10000			

Remarks :	Satisfactory / Not Satisfactory
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Test report on Compressive strength of concrete cubes

Project	Construction of Fencing to Swimming Pool at Allalasandra Lake premises in ward No. 04 Yelahanka New Town.							
Client	Bruhat Bangalore Mahanagar Palike							
Consultant	TEJUS CONSULTANTS							
Contractor	Sri. D K Nagaraja, Bangalore.							
Grade of concrete:	M20							
Size of cube:	150x150x150 mm							
Reference IS code:	IS:516-1959							
Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	09/03/18	16/03/18	7 days	8.170	22500	303	13.47	13.59
2	09/03/18	16/03/18	7 days	8.188	22500	306	13.60	
3	09/03/18	16/03/18	7 days	8.172	22500	308	13.69	

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Client	Bruhat Bangalore Mahanagar Palike			
Consultant	TEJUS CONSULTANTS			
Contractor	Sri. D K Nagaraja, Bangalore.			
Sample ID	Cement			
Date of Sample Tested	14/03/2018			
Sample Supplied By	Agency			
Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	35 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	342 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	4mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

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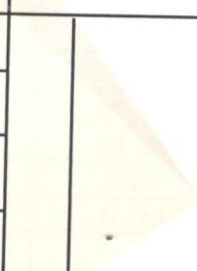
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Bangalore

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14/03/2018

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Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. D K Nagaraja, Bangalore.

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material		Fine aggregate (River Sand/ M sand)		Proposed Use		concrete
Location/Source		At Site/Plant		Date of Sampling		14/03/2018
Period of Soaking		24 hours		Date of Testing		14/03/2018
Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3		
A	Weight of sturated surface dry sample gm.	625	638	642		
B	Weight of oven - dry sample gm.	618	626	632		
C	Weight of Pycnometer Filled with water gm	1275	1275	1275		
D	Weight of Pycnometer + sample + water gm	1684	1702	1696		
E	Bulk specific gravity $\frac{B}{(C + A - D)}$	2.861	2.967	2.860	2.896	
G	Absorption (%) $\frac{(A - B) * 100}{B}$	1.133	1.917	1.582	1.544	

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Contractor		Sri. D K Nagaraja, Bangalore.			
SIEVE ANALYSIS					
Total Weight:	3000	gms			
Type of Material	Fine aggregate (River Sand/ M		Proposed Use	concrete	
Sample Location	At Site/Plant		Date of Sampling	14/03/2018	
			Date of Testing	14/03/2018	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	206	206	6.87	93.13	90 - 100
2.36 mm	302	508	16.93	83.07	75 - 100
1.18 mm	422	930	31.00	69.00	55 - 90
0.600 mm	466	1396	46.53	53.47	35 - 59
0.300 mm	720	2116	70.53	29.47	8-30
0.150 mm	622	2738	91.27	8.73	0 - 10
Pan	262	3000			-
Remarks : Satisfactory / Not Satisfactory					

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Contractor	Sri. D K Nagaraja, Bangalore				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	20 mm down size		Proposed Use	PCC	
Sample Location	Plant/At site		Date of Sampling	14/03/2018	
			Date of Testing	14/03/2018	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	272	272	2.72	97.28	95 - 100
10.00 mm	4832	5104	51.04	48.96	25 - 55
4.75 mm	4258	9362	93.62	6.38	0 - 10
Pan	638	10000			
Remarks :					
Satisfactory / Not Satisfactory					

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